

Application Number: 09/869,264
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APPENDIX TO AMENDMENT OF AUGUST 13, 2001

Amendments to the Specification

Page 3, replace the paragraph beginning on line 2 with the following new paragraph:

According to the above-mentioned known process, the yield of the compound of general formula (I) is as low as about 50 to 74%, because there is also formed a compound in which the tetrazole derivative of general formula (III') has reacted not only with the hydroxyl group of the carbostyryl derivative of general formula (II) but also with the 1-position of the carbostyryl derivative of general formula [(II)] (I) simultaneously. Since the thus formed contaminative impurity is difficult to remove, production of a compound of general formula (I) having a high purity has required a complicated process of purification.

Page 9, replace the paragraph beginning on line 17 through page 10, line 24 with the following new paragraph:

As the phase transfer catalyst, mentioned can be made of, for example, quaternary ammonium salts substituted with a residue selected from the group consisting of straight or branched chain alkyl group having 1-18 carbon atoms, phenyl lower alkyl group including a straight or branched chain alkyl group having 1 to 6 carbon atoms which is substituted by a phenyl group, and phenyl group, such as tetrabutylammonium chloride, tetrabutylammonium bromide, tetrabutylammonium fluoride, tetrabutylammonium iodide, tetrabutylammonium hydroxide, tetrabutylammonium

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hydrogen sulfate, tributylmethyammonium chloride, tributylbenzylammonium chloride, tetrapentylammonium chloride, tetrapentylammonium bromide, tetrahexylammonium chloride, benzyldimethyloctylammonium chloride, methyltrihexylammonium chloride, benzylmethyloctadecanylammonium chloride, methyltridecanylammonium chloride, benzyltripropylammonium chloride, benzyltriethylammonium chloride, phenyltriethylammonium chloride, tetraethylammonium chloride, tetramethylammonium chloride and the like; phosphonium salts, substituted with a residue selected from the group consisting of straight or branched chain alkyl groups having 1-18 carbon atoms such as tetrabutylphosphonium chloride and the like; and pyridinium salts substituted with a straight or branched chain alkyl group having 1-18 carbon atoms such as 1-dodecanylpseudinium chloride and the like. Among these phase transfer catalysts, quaternary ammonium salts substituted with a straight or branched chain alkyl group having 1-18 carbon atoms such as tetrabutylammonium chloride and the like are particularly preferred. As the salt-forming ions in these salts, hydroxyl ion, hydrogen sulfate ion and halogen ions are preferred, among which chlorine ion is particularly preferred. If desired, sodium sulfite or the like may be added to the reaction system of the above-mentioned reaction for the purpose of preventing the coloration caused by oxidation.

Page 11, replace the paragraph beginning on line 22 through page 12, line 13 with the following new paragraph:

Into a three-necked flask having a capacity of 300 ml were introduced 10.00 g of 6-hydroxy-3,4-dihydrocarbostyryl, 16.36 g of 1-cyclohexyl-5-(4-chlorobutyl)-

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1,2,3,4-tetrazole, 10.16 g of potassium carbonate, 3.00 g of tetrabutylammonium chloride, 0.05 g of sodium sulfite, 30 ml of toluene and 50 ml of water. The content of the flask was heated under reflux for 8 hours with stirring. After cooling the reaction mixture to ambient temperature, the deposited crystalline product was collected by filtration and washed with 50 ml of water. Then, the crude crystal thus obtained was introduced into 70 ml of 90% methanol cooled to 5°C, and stirred at 5°C for 10 minutes for the sake of washing. The crystal was collected by filtration and further washed on the suction filter with 20 ml of 90% methanol cooled to 5°C. The crystal was dried to obtain 21.46 g (yield 95%) of 6-[4-(1-cyclohexyl-1,2,3,4-tetrazol-5-yl)butoxy]-3,4-dihydrocarbostyryl as a colorless needle-like crystalline product.

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